

David SANDBERG  
Appl. No. 09/812,956  
November 12, 2004

**REMARKS**

Reconsideration and allowance of the subject application are respectfully requested.

The disclosure stands objected to noting a number of informalities. Applicant has adopted the suggestions made for pages 2 and 13. However, Applicant prefers to retain the headings as originally filed.

The informalities noted in claims 2, 9, 27, and 30 have been remedied by amendment.

Claims 6, 9, 17, 18, 23, and 26 stand rejected under 35 U.S.C. §112, first paragraph. This rejection is respectfully traversed.

The Examiner's objection focuses on the use of the term "filtering" in that context of filtering an unknown sequence in the received signal using the channel estimate to compensate for phase changes caused by Rayleigh fading. Support for the term "filtering" in that context can be found, for example, in the original application on page 5, lines 3-5 and on page 13, lines 7-12, and in particular, lines 11-12. However, to avoid any confusion on this point, Applicant has amended the claims to remove the term "filter" in favor of the term "combine" which is similar to the term "mix" suggested by the Examiner. Withdrawal of the rejection under 35 U.S.C. §112, first paragraph is respectfully requested.

Claims 11 and 28 stand rejected under 35 U.S.C. §112, second paragraph with the Examiner requesting that two variables be specifically defined from the recited equation. Those definitions have been supplied. Withdrawal of the rejection under 35 U.S.C. §112, second paragraph is respectfully requested.

Claims 1-5, 10, 19-22, and 27 stand rejected under 35 U.S.C. §102(e) as being anticipated by Molnar, also assigned to Ericsson. This rejection is believed moot because claim 1 now incorporates the allowable subject matter of claim 9; claim 10 incorporates the allowable subject

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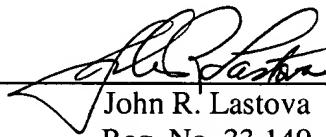
matter of claim 11; claim 19 incorporates the allowable subject matter of claim 26; and claim 27 incorporates the allowable subject matter of claim 28. In addition, allowable claims 23 and 24 have been rewritten in independent claim format.

Accordingly, the application is in condition for allowance. An early notice to that effect is earnestly solicited.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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